

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-22 (Cancelled)

23. (Currently Amended) A device comprising:

a processor;

at least one memory coupled to the processor, the at least one memory including instructions to cause the processor to implement a wireless protocol;

a RF transceiver coupled to the processor; and

an interface coupled to the processor, the interface to receive signals from an equipment equipment;

wherein the processor is to process the signals received from the equipment over the interface; and

wherein the processor is further to process one or more short message service messages received through the RF transceiver from a wireless network, the short message service messages including modem management information; and

wherein the modem management information is to allow at least one of remote initialization and remote control of the equipment, wherein the equipment is selected from a utility meter, a meter concentration point, a utility meter control system, a substation monitor, telemetry equipment, a vending machine, and a computer.

24. (Previously Presented) The device of claim 23, wherein said modem management information comprises wireless modem configuration parameters.
25. (Previously Presented) The device of claim 23, wherein said modem management information comprises a command for a wireless modem to perform a function stored internally to the wireless modem.
26. (Previously Presented) The device of claim 23, wherein said processor processes the one or more short message service messages received through the RF transceiver by parsing data from the one or more of the short message service messages, testing the parsed data for a modem management command indicator, and processing the short message service message when the modem management command indicator is detected.
27. (Previously Presented) The device of claim 23, wherein said wireless protocol comprises a global system for mobile communications protocol.
28. (Previously Presented) The device of claim 23, wherein said wireless protocol comprises a general packet radio services protocol.
29. (Previously Presented) The device of claim 23, wherein the at least one memory holds modem management software to allow the processor to handle the one or more short message service messages including the modem management information received through the RF transceiver.
30. (Previously Presented) The device of claim 23, wherein the equipment is external to the device.
31. (Previously Presented) The device of claim 23, wherein the interface comprises a receptacle to receive a line coupled to the user equipment.
32. (Currently Amended) A method performed by a wireless modem comprising:

receiving a short message service message at a RF transceiver of a wireless modem from a wireless network, wherein the wireless modem comprises the RF transceiver, a processor coupled with the RF transceiver, a non-volatile memory coupled with the processor, a volatile memory coupled with the processor, and a wireless protocol stack means;

examining the short message service message for modem management information with the wireless protocol stack means and the processor; and

processing the short message service message at the wireless modem with the wireless protocol stack means and the processor when the short message service message includes the modem management information, wherein said processing the short message service message comprises the wireless modem performing at least one of remote initialization and remote control of equipment that is coupled with the wireless modem, wherein the equipment is selected from a utility meter, a meter concentration point, a utility meter control system, a substation monitor, telemetry equipment, a vending machine, and a computer.

33. (Previously Presented) The method of claim 32, said examining comprising:

parsing the short message service message; and

testing the parsed short message service message for a modem management command indicator, the command indicator indicating whether the short message service message includes the modem management information.

34. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises initializing the wireless modem based upon the modem management information contained in the short message service message.

35. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises checking a quality of a wireless signal detected at the wireless modem.
36. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises handling a request for a call log history.
37. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises selecting a RF Channel for wireless communications on the wireless modem.
38. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises authenticating a party sending short message service messages to the wireless modem.
39. (Previously Presented) The method of claim 32, wherein said processing the short message service message at the wireless modem comprises initializing communication parameters for event detection and notification.
40. (Previously Presented) The method of claim 32, wherein said receiving the short message service message at the wireless modem comprises receiving the short message service message from a wireless Global System for Mobile communications (GSM) communication network.
41. (Currently Amended) ~~A storage medium having stored thereon instructions to cause a processor to~~ A system comprising:
a processor; and
a storage medium coupled with the processor, the storage medium having stored thereon instructions to cause the processor to:

examine a short message service message that is received at a RF receiver of a wireless modem from a wireless network for modem management information;

process the short message service message at the wireless modem when the short message service message includes the modem management information, including handling a request for a call history log; and

pass the short message service message through the wireless modem when the short message service message does not include the modem management information.

42. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to examine further comprise instructions to cause the processor to:

parse the short message service message; and

test the parsed short message service message for a modem management command indicator, the command indicator indicating whether the short message service message includes the modem management information.

43. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to process the short message service message at the wireless modem further comprise instructions to cause the processor to initialize the wireless modem based upon the modem management information contained in the short message service message.

44. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to process the short message service message at the wireless modem further comprise instructions to cause the processor to check a quality of a wireless signal detected at the wireless modem.

45. (Cancelled)

46. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to process the short message service message at the wireless modem further comprise instructions to cause the processor to select a RF channel for wireless communications on the wireless modem.
47. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to process the short message service message at the wireless modem further comprise instructions to cause the processor to authenticate a party sending short message service messages to the wireless modem.
48. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to process the short message service messages at the wireless modem further comprise instructions to cause the processor to initialize communication parameters for event detection and notification.
49. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the instructions to receive the short message service message at the wireless modem further comprise instructions to cause the processor to receive the short message service message from a wireless Global System for Mobile communications (GSM) communication network.
50. (Currently Amended) A device comprising:

a processor;

a memory coupled to the processor, the memory including a software stack to hold instructions to cause the processor to handle a wireless protocol;

a RF transceiver coupled to the processor; and

an interface coupled to the processor, the interface to receive signals from an ~~equipment~~ equipment;

wherein the processor is to handle the signals from the equipment; and

wherein the processor is further to handle one or more short message service messages received by the RF transceiver from a wireless network, the short message service messages including modem management information, wherein handling the one or more short message service messages comprises handling a request for a call history log.

- 51. (Previously Presented) The device of claim 50, wherein said modem management information comprises wireless modem configuration parameters.
- 52. (Previously Presented) The device of claim 50, wherein said modem management information comprises a command for the wireless modem to perform a function stored internally to the wireless modem.
- 53. (Previously Presented) The device of claim 50, wherein said processor handles the one or more short message service messages received by the RF transceiver by parsing data from the one or more short message service messages, testing the parsed data for a modem management command indicator, and processing the short message service message when the modem management command indicator is detected.
- 54. (Previously Presented) The device of claim 50, wherein said wireless protocol comprises a global system for mobile communications protocol.
- 55. (Previously Presented) The device of claim 50, wherein said wireless protocol comprises a general packet radio services protocol.
- 56-61. (Cancelled)
- 62. (Currently Amended) The system ~~storage-medium~~ of claim 41, wherein the storage medium comprises a memory.

63. (Previously Presented) The device of claim 23, wherein the processor is further to process modem management information in one or more short message service messages including handling a request for a call history log.
64. (Previously Presented) The device of claim 50, wherein the processor is further to process modem management information in one or more short message service messages, including at least one of remote initialization and remote control of the equipment.